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(54) Title: ENHANCEMENT OF Th2-DEPENDENT AND INFLAMMATORY RESPONSE

(57) Abstract: The present invention relates to altering the levels of Th2 cytokine production, and in particular, biasing the cytokine expression profile towards Th2 cytokine production through mitogen-activated protein kinase/ERK kinase kinase 1 (MEKK1), the screening of agents that increase Th2 cytokine production, and the treatment of Th1 associated autoimmune diseases in vivo. In one embodiment, the present invention relates to agents including but not limited to reducing the activity of MEKK1, leading to increased levels of Th2 cytokine production.